

HS-1280U

Analog Video Recorder

**MITSUBISHI
ELECTRIC**
SECURITY PRODUCTS

HS-1280U



24-HOUR REAL TIME WITH AUDIO AND UP TO 1280-HOURS OF TIME-LAPSE

Key Features

- High performance and reliability at a value price
- Triple density recording in all time-lapse modes
- Jog/shuttle dial for ease of use
- Auto head cleaning
- Alarm and scheduled recording modes
- Comprehensive warranty

Peace of mind at an affordable price is what the HS-1280U provides. Included with the HS-1280U model is good picture quality, digital control of the servo circuit for precise tape control, acrylic light guides that reduce hardware components, and re-designed cassette guides for increased reliability. Also standard is the jog/shuttle, for ease of use in programming, and in playback, a selectable three language on screen menu, and a universal power supply.

Advanced functions also include timer recording, alarm recording, emergency recording, series and repeat recording. Additional features such as counter memory stop, skip and index search, special effects playback (one field at a time), power loss recovery, tape use counter and auto head cleaning make the HS-1280U an ideal choice for your recording needs at a reasonable price.

**DIAMOND™
DECK**

HS-1280U

Analog Video Recorder

SPECIFICATIONS

Recording Speed and Modes (T120 & T160)

Mode	Time	Mode	Time	Speed	Intervals	Fields	Audio	Tape Drive
2H Play only		2H Play only						
6H	6H	8H	8H	11.12 mm/sec	16.68 ms/field	60	Yes	Continues
L18H	18H	L24H	24H	3.71 mm/sec	50.04 ms/field	20	Yes	Continues (slow)
L30H	30H	L40H	40H	2.22 mm/sec	83.40 ms/field	12	Yes	Continues (slow)
48H	54H	64H	72H	-	150.1 ms/field	6.7	No	Time-lapse
72H	78H	96H	104H	-	216.8 ms/field	4.6	No	Time-lapse
96H	102H	128H	136H	-	283.6 ms/field	3.5	No	Time-lapse
120H	126H	160H	168H	-	350.3 ms/field	2.9	No	Time-lapse
168H	174H	224H	232H	-	483.7 ms/field	2.1	No	Time-lapse
240H	246H	320H	328H	-	683.9 ms/field	1.5	No	Time-lapse
360H	366H	480H	488H	-	1.017 s/field	0.98	No	Time-lapse
480H	486H	640H	648H	-	1.051 s/field	0.74	No	Time-lapse
720H	726H	960H	968H	-	2.018 s/field	0.5	No	Time-lapse
960H	966H	1280H	1288H	-	2.685 s/field	0.37	No	Time-lapse

Video

Horizontal Resolution	240 lines in color & 330 lines in B/W
Signal Format	CCIR standard 525 lines 60 fields/sec. NTSC (color/BW) auto select
Tape Format	Standard 1/2" VHS (T120)
Video Recording	2 video helical heads for recording and standard playback, 4 heads for special playback
Luminance Signal	FM recording
Color Signal	Low frequency conversion, sub-carrier phase shift recording
Video Input	1.0 Vp/p, 75 ohms unbalanced, BNC-F jack
Video Output	1.0 Vp/p, 75 ohms unbalanced, BNC-F jack
Signal to Noise Ratio	Better than 42 db (6/8H mode)

Audio

Input	308 mV (rms), 50 K ohms, RCA plug
Output	388 mV (rms), 1 K ohms, RCA plug
Frequency Response	70 Hz to 4 KHz (6/8H mode)
Signal to Noise Ratio	Better than 43 db (6/6H mode)

Connectors

ALRM Input	Screw terminal, input to start alarm recording
RST Input	Screw terminal, input to end alarm recording and for adjusting multiple VCR clock settings
Record Input	Screw terminal, input used for independent start/stop recording and for series recording
GND	Screw terminal for chassis ground
Alarm Output	Screw terminal, output to alarm device (siren, horn, other) while alarm is active
CLCK Output	Screw terminal, output clock signal for camera switching
MODE Out	Screw terminal, output signal indicates VCR's operations mode (Rec/Play/Power/others)
CALL Out	Screw terminal, output warning signal and also used in series recording (alarm, other & malfunction)

General

Audio Tracks	1 track (audio in 6/8/L18/L24/L30/L40 modes)
Battery Backup	31 days
Fast Forward/Rewind Time	Approx. 160 sec. with T-160
Elapsed Use Time	To 89,999 hours maximum
Timer Programs	8 position, daily start and stop times for one week
Alarm Recording Time	Timed: 15/30/45 sec. 1/2/5/10 min.
Setup Menu	On screen
Motors	3 motors - drum/capstan/loading
Heads-Video	4 rotary heads
Heads-Audio/Control	1 stationary audio & control head
Head-Erase	1 full track erase head
Rating: SET/RST/REC	Active when shorted to ground or "L" (0-+1.6 V), time to activate 0.1 sec. or more. *Inactive when open
Rating: ALARM/CALL/MODE	Active "L" (0-4 V) output max. drive current 50 mA (+5 V DC)/10 mA (24 V DC). *Inactive open
Rating: CLK Recording	A pulse of freq. div. ratio, selected by REAR TERMINAL menu
Power Source	100-230 VAC 50/60Hz
Power Consumption	Approx. 18 watts
Power Cord	3 wire (3 prong for 120V/60Hz)
Operating Temperature	41°F - 104°F (5°C - 40°C)
Relative Humidity	Max. 80%
Dimensions (W x H x D) (including jog dial)	16.7 x 3.7 x 12.3 in. (425 x 95 x 313 mm)
Weight	9 lbs. (4.2 kg)

Input And Output Terminal



Standard features, options and specifications subject to change without notice.

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Mitsubishi Digital Electronics America, Inc.
Imaging Products Division
9351 Jeronimo Road
Irvine, CA 92618
ipdinfo@mdea.com
www.mitsubishi-imaging.com

Technical Support:
Toll Free: 888-307-0309
Email: tsupport@mdea.com

Canada:
Mitsubishi Electric Sales Canada Inc.
Information Technologies Group
Markham, Ontario
905-475-7728
www.MitsubishiElectric.ca



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